

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY
(Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER

LKR-9217

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: Immunologisch aktive Proteine von Borrelia burgdorferi, Testkits, die diese Proteine enthalten und zum Nachweis von Antikörpern in Untersuchungsflüssigkeiten geeignet sind und die Verwendung dieser Proteine als Impfstoffe gegen durch Borrelia-Stämme hervorgerufene Infektionen

the specification of which (check only one item below):

☐ is attached hereto.☐ was filed as United States application

Serial No. _____

on _____

and was amended

on _____ (if applicable).

☒ was filed as PCT international applicationNumber PCT/EP90/02282on December 21, 1990

and was amended under PCT Article 19

on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

COUNTRY (W.P.C.T. ORIGIN: PCT)	APPLICATION NUMBER	DATE OF FILING day, month, year	PRIORITY CLAIMED UNDER 35 USC 119
Germany	P 39 42 728.5	December 22, 1989	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Germany	P 40 18 988.0	June 13, 1990	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

US

Annex US.III, page 2 PCT Applicant's Guide - Volume II - National Chapter - US

Combined Declaration For Patent Application and Power of Attorney (Continued) <small>(Includes Reference to PCT International Applications)</small>					ATTORNEY'S DOCKET NUMBER LKR-9217
<p>I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:</p>					
PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. 120:					
U.S. APPLICATIONS			STATUS (Check one)		
U.S. APPLICATION NUMBER	U.S. FILING DATE	PATENTED	PENDING	ABANDONED	
PCT APPLICATIONS DESIGNATING THE U.S.					
PCT APPLICATION NO.	PCT FILING DATE	U.S. SERIAL NUMBERS ASSIGNED if any			
<p>POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number) LORIMER P. BROOKS (REG. NO. 15,155), ALFRED L. HAFNER, JR. (REG. NO. 18,919), HAROLD HAIDT (REG. NO. 17,509), G. THOMAS DELAHUNTY (REG. NO. 22,595), CHARLES G. MUELLER (REG. NO. 25,163), ROBERT M. FREEMAN (REG. NO. 16,629), AND WILLIAM R. ROBINSON (REG. NO. 27,224).</p>					
<p>Send Correspondence to: WILLIAM R. ROBINSON, ESQ. BROOKS HAIDT HAFNER & DELAHUNTY 99 PARK AVENUE NEW YORK, NEW YORK 10016</p>				<p>Direct Telephone Calls to: <small>(Name and telephone number)</small> WILLIAM R. ROBINSON (212) 697-3355</p>	
201	FULL NAME OF INVENTOR	FAMILY NAME Dr. Fuchs	FIRST GIVEN NAME Renate	SECOND GIVEN NAME	
	RESIDENCE & CITIZENSHIP	CITY Deisenhofen	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP Germany	
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Karlstr. 13	CITY 8024 Deisenhofen	STATE & ZIP CODE/COUNTRY Germany	
	FULL NAME OF INVENTOR	FAMILY NAME Dr. Wilske	FIRST GIVEN NAME Bettina	SECOND GIVEN NAME	
202	RESIDENCE & CITIZENSHIP	CITY München	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP Germany	
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Harthausenstr. 8b	CITY 8000 München 90	STATE & ZIP CODE/COUNTRY Germany	
	FULL NAME OF INVENTOR	FAMILY NAME Dr. Preac-Mursic	FIRST GIVEN NAME Vera	SECOND GIVEN NAME	
	RESIDENCE & CITIZENSHIP	CITY München	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP Germany	
203	POST OFFICE ADDRESS	POST OFFICE ADDRESS Rümannstr. 59	CITY 8000 München 40	STATE & ZIP CODE/COUNTRY Germany	
	FULL NAME OF INVENTOR	FAMILY NAME Dr. Preac-Mursic	FIRST GIVEN NAME Vera	SECOND GIVEN NAME	
<p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.</p>					
SIGNATURE OF INVENTOR 201		SIGNATURE OF INVENTOR 202		SIGNATURE OF INVENTOR 203	
R. Fuchs		B. Wilske		Vera Preac-Mursic	
DATE June 16, 1992		DATE June 15, 1992		DATE June 15, 1992	

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

(Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER

LKR-9217

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: Immunologisch aktive Proteine von Borrelia burgdorferi, Testkits, die diese Proteine enthalten und zum Nachweis von Antikörpern in Untersuchungsflüssigkeiten geeignet sind und die Verwendung dieser Proteine als Impfstoffe gegen durch Borrelia-Stämme hervorgerufene Infektionen

the specification of which (check only one item below):

☐ is attached hereto.☐ was filed as United States application

Serial No. _____

on _____

and was amended

on _____ (if applicable).

☒ was filed as PCT international applicationNumber PCT/EP90/02282on December 21, 1990

and was amended under PCT Article 19

on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

COUNTRY or PCT NUMBER PCT	APPLICATION NUMBER	DATE OF FILING day month, year	PRIORITY CLAIMED UNDER 35 USC 119
Germany	P 39 42 728.5	December 22, 1989	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Germany	P 40 18 988.0	June 13, 1990	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

US

Annex US.III, page 2 PCT Applicant's Guide - Volume II - National Chapter - US

Combined Declaration For Patent Application and Power of Attorney (Continued) <small>(Includes Reference to PCT International Applications)</small>						ATTORNEY'S DOCKET NUMBER LRR-9217
<p>I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:</p>						
<p>PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. 120:</p>						
U.S. APPLICATIONS				STATUS (Check one)		
U.S. APPLICATION NUMBER	U.S. FILING DATE	PATENTED	PENDING	ABANDONED		
PCT APPLICATIONS DESIGNATING THE U.S.						
PCT APPLICATION NO.	PCT FILING DATE	U.S. SERIAL NUMBERS ASSIGNED (If any)				
<p>POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number) LORIMER P. BROOKS (REG. NO. 15,155), ALFRED L. HAFNER, JR. (REG. NO. 18,919), HAROLD HADT (REG. NO. 17,509), G. THOMAS DELAHUNTY (REG. NO. 22,595), CHARLES G. MUELLER (REG. NO. 25,163), ROBERT M. FREEMAN (REG. NO. 16,629), AND WILLIAM R. ROBINSON (REG. NO. 27,224).</p>						
<p>Send Correspondence to:</p> <p>WILLIAM R. ROBINSON, ESQ. BROOKS HADT HAFNER & DELAHUNTY 99 PARK AVENUE NEW YORK, NEW YORK 10016</p>				<p>Direct Telephone Calls to: <small>(name and telephone number)</small></p> <p>WILLIAM R. ROBINSON (212) 697-3355</p>		
201	FULL NAME OF INVENTOR	FAMILY NAME Dr. Motz	FIRST GIVEN NAME Manfred	SECOND GIVEN NAME		
	RESIDENCE & CITIZENSHIP	CITY München	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP Germany		
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Schachnerstr. 7	CITY 8000 München 70	STATE & ZIP CODE/COUNTRY Germany		
202	FULL NAME OF INVENTOR	FAMILY NAME Dr. Soutscheck	FIRST GIVEN NAME Erwin	SECOND GIVEN NAME		
	RESIDENCE & CITIZENSHIP	CITY München	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP Germany		
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Schäftlarnstr. 126	CITY 8000 München 70	STATE & ZIP CODE/COUNTRY Germany		
203	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME		
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP		
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE & ZIP CODE/COUNTRY		
<p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.</p>						
SIGNATURE OF INVENTOR 201		SIGNATURE OF INVENTOR 202		SIGNATURE OF INVENTOR 203		
DATE June 15 1992		DATE June 15th, 1992		DATE		

PATENT**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant:	Renate Fuchs et al.	Examiner:	A. Caputo
Serial No.:	08/209,603	Group Art Unit:	1817
Filed:	March 10, 1994	Docket:	738,001US1
Title:	ACTIVE PROTEINS FROM BORRELIA BURGDORFERI		

REVOCATION AND POWER OF ATTORNEY

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R. Section 1.36, M.P.E.P. Section 402.05 and 402.07, please revoke any existing Powers of Attorney, if any, and appoint the following attorneys and/or patent agents to prosecute this application and to transact all business in the U.S. Patent and Trademark Office in connection therewith:

Anglin, J. Michael	Reg. No. 24,916	Holloway, Sheryl S.	Reg. No. 37,850
Blanchi, Timothy B.	Reg. No. 39,610	Klima-Silberg, Catherine L.	Reg. No. 40,052
Billig, Patrick G.	Reg. No. 38,080	Kuth, Daniel J.	Reg. No. 32,146
Billion, Richard E.	Reg. No. 32,836	Lemaire, Charles A.	Reg. No. 36,198
Brown, Thomas P.	Reg. No. 35,075	Lisman, Mark A.	Reg. No. 26,390
Clark, Barbara J.	Reg. No. 38,107	Lundberg, Steven W.	Reg. No. 30,568
Dryja, Michael A.	Reg. No. 39,662	Schwagman, Michael L.	Reg. No. 25,816
Emmerson, Janet E.	Reg. No. 39,665	Simball, Paul B.	Reg. No. 38,616
Fogg, David N.	Reg. No. 35,138	Slifer, Russell D.	Reg. No. 39,838
Forrest, Bradley A.	Reg. No. 30,837	Vikmaier, Ann S.	Reg. No. 37,748
Harris, Robert J.	Reg. No. 37,346	Wessner, Warren D.	Reg. No. 30,640
Hoffmann, Randolph P., Jr.	Reg. No. 38,187		

CERTIFICATE UNDER 37 C.F.R. §3.73(b)

Mikrogen Molekularbiologische Entwicklungs-GmbH hereby certifies that it is the assignee of the entire right, title, and interest in the patent application identified above by virtue of an assignment which was recorded with the U.S. Patent and Trademark Office on June 19, 1992, on Reel 6254, Frame 0132.

I have reviewed all the documents in the chain of title of the patent application identified above and, to the best of my knowledge and belief, title is in the assignee, Mikrogen Molekularbiologische Entwicklungs-GmbH.

Pursuant to 37 C.F.R. §3.73(b), I hereby declare that I am empowered to sign this

certificate on behalf of the assignee, Mikrogen Molekularbiologische Entwicklungs-GmbH.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Please direct all correspondence in this case to:

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938
Minneapolis, Minnesota 55402, U.S.A.
Telephone 612/339-0331

Date: July 21 / 1987

Signature: Erwin Sautschek
Name: Dr. ERWIN SOUTSCHEK
Title: chief executive officer